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TITLE: PROTOCOL TERMINATING DEVICE

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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a protocol terminating device that conducts PPP termination by an ATM switch.

SOLUTION: The protocol terminating device is provided with a 1st interface section that receives/sends a cell form PPP(Point-to-Point Protocol) packet from/to a DSLAM(Digital Subscriber Line Access Multiplexer), a 2nd interface section that sends/receives a cell form network layer packet to/from a backbone network, a PPP link means that setups and interrupts a PPP link, a packet

processing means that conducts cell transfer control and encapsulation
to a PPP
data packet of a network layer packet and its inverse processing, and a
switch
that switches cells among the 1st interface section, the 2nd interface
section,
the PPP link means and the packet processing means.

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